ReSound

ES50/D & ES50HS/D ITE,
ES50-P/DP & ES50HS-P/DP
POWER ITE

PRODUCT INFORMATION

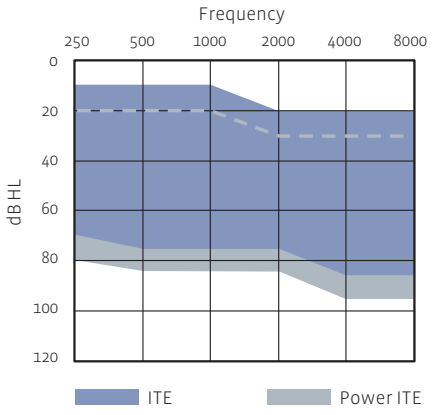
RESOUND ESSENCE™

This budget-friendly hearing instrument puts ReSound's legendary technology within reach of all patients. It is both the most customizable and longest lasting device in its class. Flexible programming capabilities allow superior customization to ensure immediate acceptance.

ReSound Essence delivers the durability and reliability that you expect from ReSound. Additionally, power-saving chip technology provides longer battery life and a significant savings in the cost of replacement batteries over the life of the hearing instrument.

ReSound Essence stands out as the best low-cost and high-value hearing instrument in the budget category.

FITTING RANGE



KEY FEATURES

- Standard and power full-shell and half-shell models
- 6-Band Warp™ sound processing (6 gain handles)
- Stabilizer™ or Dual Stabilizer™* DFS feedback suppression
- NoiseTracker™ noise reduction
- Fixed directionality*
- Analog volume control *(optional)*
- 2 Flexible environmental programs plus telecoil options
- Acoustic indicator for program selection
- Low battery warning indicator
- Power-saving chip technology

STANDARD CONFIGURATION

- Dual microphone technology*
- Size 13 battery (full-shell models) or size 312 battery (half-shell models)
- Push button program selector
- Programmable telecoil with T/MT modes *(optional)*
- 3 Color options

FITTING REQUIREMENT

- Aventa fitting software (2.7 or higher)
- CS53 Flex strip cable (3-pin)
- Speedlink, NOAHlink™ or HI-PRO™ interface (Speedlink recommended)

*= *ES50-D, ES50HS-D, ES50-DP and ES50HS-DP only*

ReSound North America
8001 Bloomington Freeway
Bloomington, MN 55420-1036
1-800-248-4327

ReSound Canada
303 Supertest Road
Toronto, Ontario M3J 2M4
1-888-737-6863

gnresound.com • customerexperience@gnresound.com

ReSound Essence™

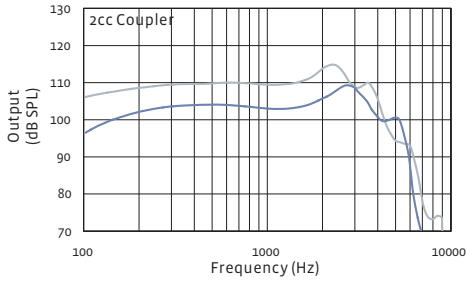
TECHNICAL SPECIFICATIONS

ES50/D & ES50HS/D ITE
ES50-P/DP & ES50HS-P/DP POWER ITE

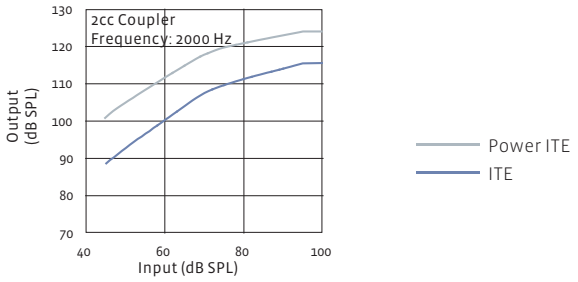
		ANSI S3.22–2003, 2cc Coupler ITE	POWER ITE
Reference Test Gain (60 dB SPL Input)	HFA	39 dB	48 dB
Full-On Gain (50 dB SPL Input)	Max HFA	52 dB 45 dB	60 dB 54 dB
Maximum Output (90 dB SPL Input)	Max HFA	120 dB SPL 116 dB SPL	125 dB SPL 122 dB SPL
Total Harmonic Distortion	500 Hz 800 Hz 1600 Hz	1.0 % 1.0 % 1.0 %	0.6 % 0.9 % 0.7 %
Telecoil Sensitivity (SPLITS @ 31.6 mA/m)	Max	99 dB SPL	108 dB SPL
Equivalent Input Noise (without noise reduction)		26 dB SPL	30 dB SPL
Frequency Range (DIN 45605)		100–6220 Hz	100–5300 Hz
Attack Time (ANSI RTG-7 dB)		12 ms	12 ms
Release Time (ANSI RTG-7 dB)		70 ms	70 ms
Current Drain		1.04 mA	1.05 mA
Typical Battery Life	Battery size 13 Battery size 312	279 hrs 154 hrs	276 hrs 152 hrs

Data in accordance with ANSI S3.22–2003; Supply Voltage 1.3 V.

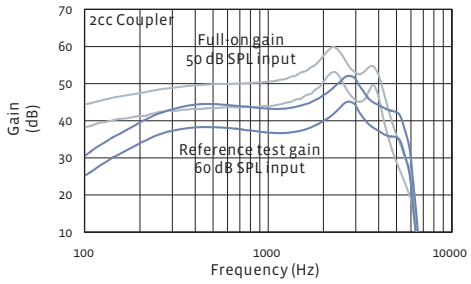
MAXIMUM OUTPUT (OSPL 90)



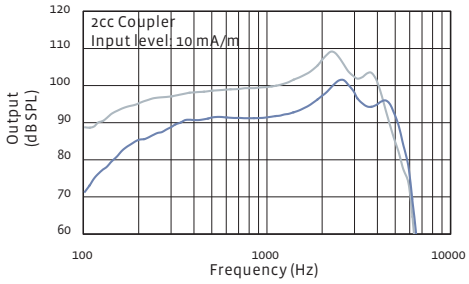
INPUT/OUTPUT RESPONSE



FULL-ON AND REFERENCE TEST GAIN



TELECOIL RESPONSE



ITE: PARAMETER SETTINGS*

FOG	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	6 kHz
G[50]	45	45	45	45	45	45
G[80]	30	30	30	30	30	30

RTG	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	6 kHz
G[50]	43	43	43	43	43	43
G[80]	28	28	28	28	28	28

POWER ITE: PARAMETER SETTINGS*

FOG	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	6 kHz
G[50]	52	52	52	52	52	52
G[80]	37	37	37	37	37	37

RTG	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	6 kHz
G[50]	50	50	50	50	50	50
G[80]	35	35	35	35	35	35

*Settings in accordance with Aventa fitting software

ReSound Essence™

Patents pending.

All specifications are subject to change without notice.

16685311 Rev.A